

Mariana P Serrano

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Review of biosensing with whispering-gallery mode lasers. <i>Light: Science and Applications</i> , 2021, 10, 42.	16.6	164
2	Oxidation of tyrosine: Antioxidant mechanism of l-DOPA disclosed. <i>Free Radical Biology and Medicine</i> , 2021, 165, 360-367.	2.9	18
3	A model to understand type I oxidations of biomolecules photosensitized by pterins. <i>Journal of Photochemistry and Photobiology</i> , 2021, 7, 100045.	2.5	14
4	Shelter for Biologically Relevant Molecules: Photoprotection and Enhanced Thermal Stability of Folic Acid Loaded in a ZIF-8 MOF Porous Host. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22155-22162.	3.7	3
5	Photosensitizing properties of hollow microcapsules built by multilayer self-assembly of poly(allylamine hydrochloride) modified with rose Bengal. <i>RSC Advances</i> , 2019, 9, 19226-19235.	3.6	7
6	Evidence of the effectiveness of Resveratrol in the prevention of guanine one-electron oxidation: possible benefits in cancer prevention. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16190-16197.	2.8	8
7	Fabrication and Characterization of Hollow Microcapsules from Polyelectrolytes Bearing Thymine Pendant Groups for Ultraviolet-B (UVB)-Induced Crosslinking. <i>ChemPlusChem</i> , 2019, 84, 504-511.	2.8	6
8	Quenching of the Singlet and Triplet Excited States of Pterin by Amino Acids. <i>Photochemistry and Photobiology</i> , 2019, 95, 220-226.	2.5	15
9	Photophysical and Photochemical Properties of 3-methylpterin as a New and More Stable Pterin-type Photosensitizer. <i>Photochemistry and Photobiology</i> , 2018, 94, 881-889.	2.5	6
10	Photosensitized oxidation of 2-deoxyguanosine 5-monophosphate: mechanism of the competitive reactions and product characterization. <i>New Journal of Chemistry</i> , 2017, 41, 7273-7282.	2.8	17
11	Thymidine radical formation via one-electron transfer oxidation photoinduced by pterin: Mechanism and products characterization. <i>Free Radical Biology and Medicine</i> , 2016, 96, 418-431.	2.9	20
12	Unraveling the Degradation Mechanism of Purine Nucleotides Photosensitized by Pterins: The Role of Charge Transfer Steps. <i>ChemPhysChem</i> , 2015, 16, 2244-2252.	2.1	35
13	Tryptophan oxidation photosensitized by pterin. <i>Free Radical Biology and Medicine</i> , 2013, 63, 467-475.	2.9	57
14	Type I Photosensitization of 2-deoxyadenosine 5-monophosphate (5-dAMP) by Biopterin and its Photoproduct Formylpterin. <i>Photochemistry and Photobiology</i> , 2013, 89, 1456-1462.	2.5	9
15	Photosensitizing properties of biopterin and its photoproducts using 2-deoxyguanosine 5-monophosphate as an oxidizable target. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11657.	2.8	39
16	Emission properties of dihydropterins in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7419.	2.8	33
17	Photodimerization of 7,8-dihydroneopterin in Aqueous Solution Under UV-A Irradiation. <i>Photochemistry and Photobiology</i> , 2011, 87, 51-55.	2.5	4